

# More Muons

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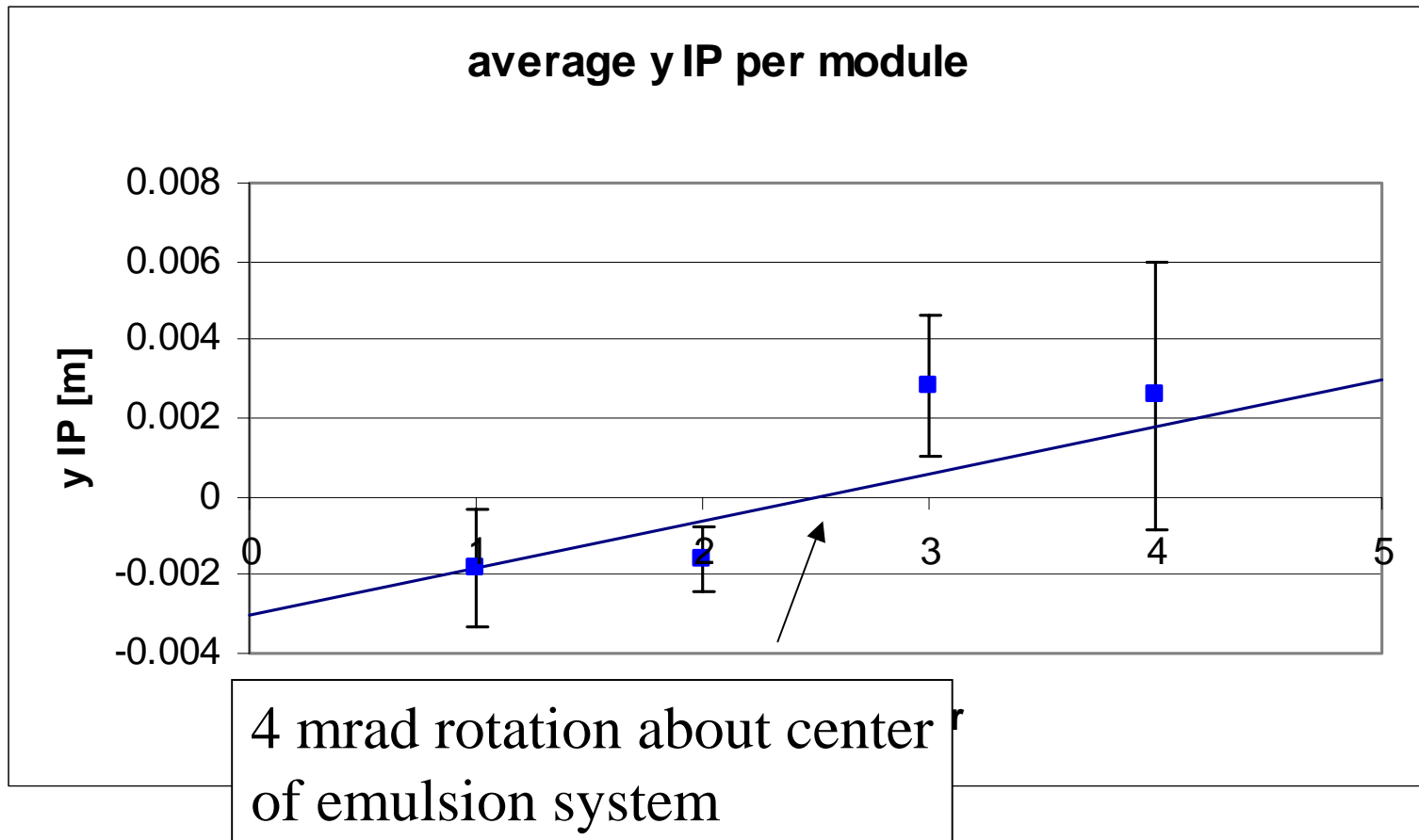
Kansas State University

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# Expansion of muon sample

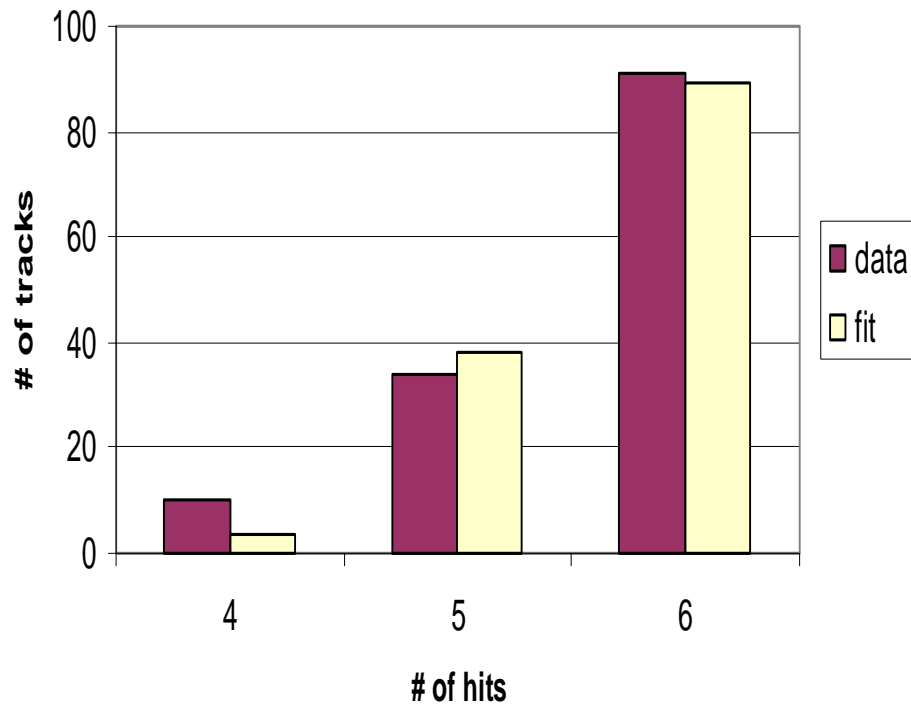
- Include muon tracks with 4 mu-ID hits
- Allow tracks with only 1 C-wall hit
- Use non-located events

# Emulsion/DC alignment

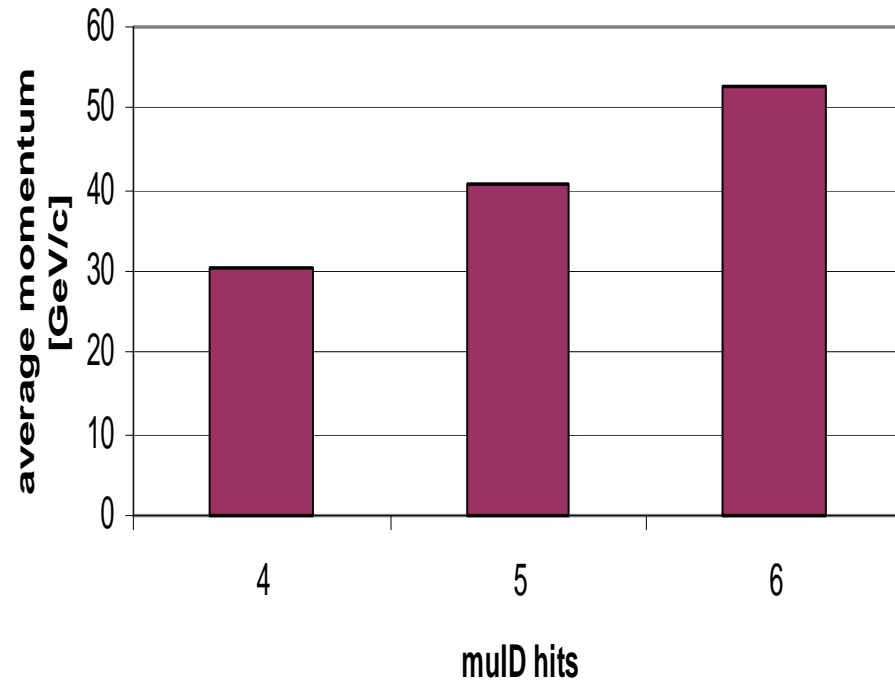


# Effect of new mu-ID criteria

#of mu-ID hits and binomial fit



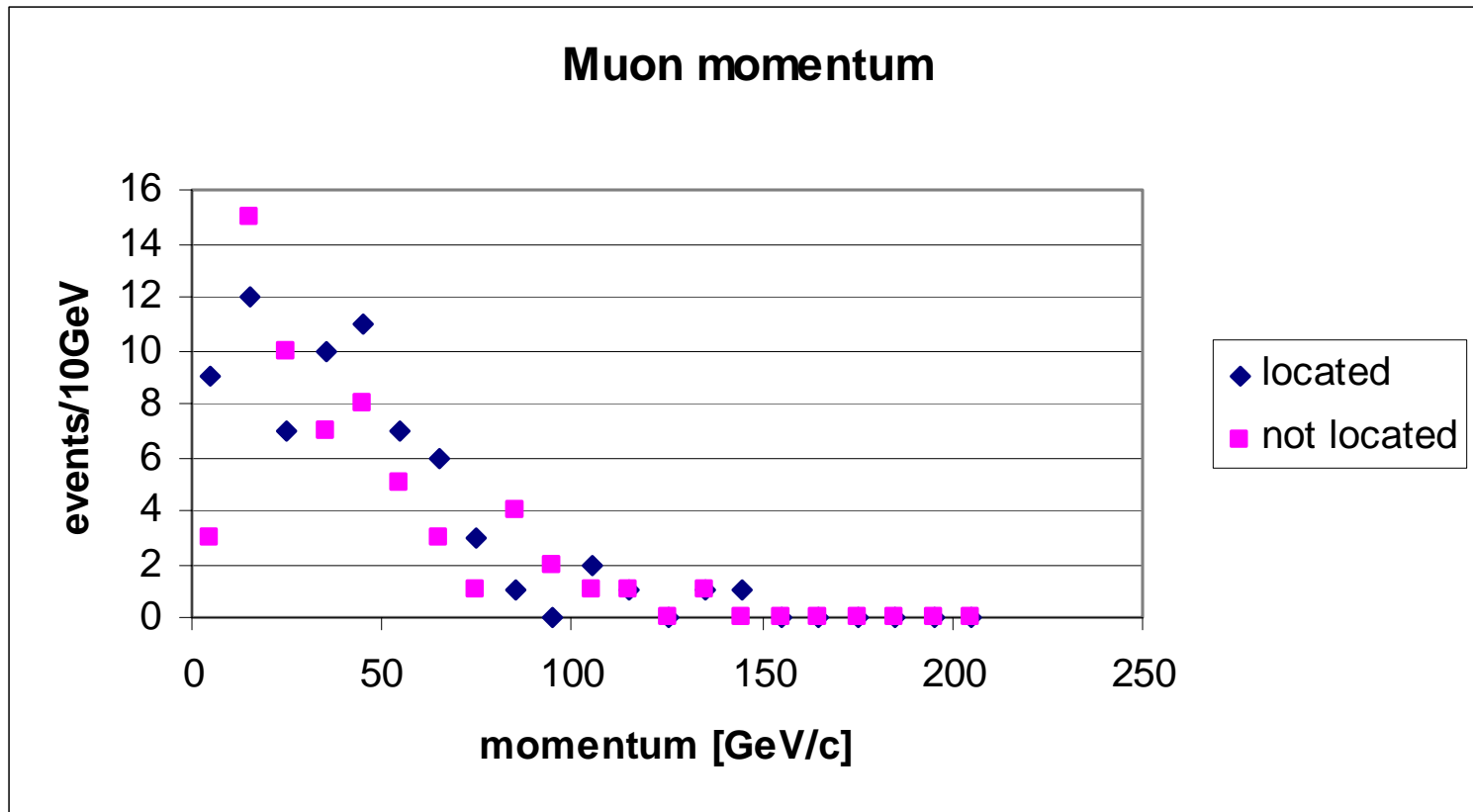
average p and number of muID hits



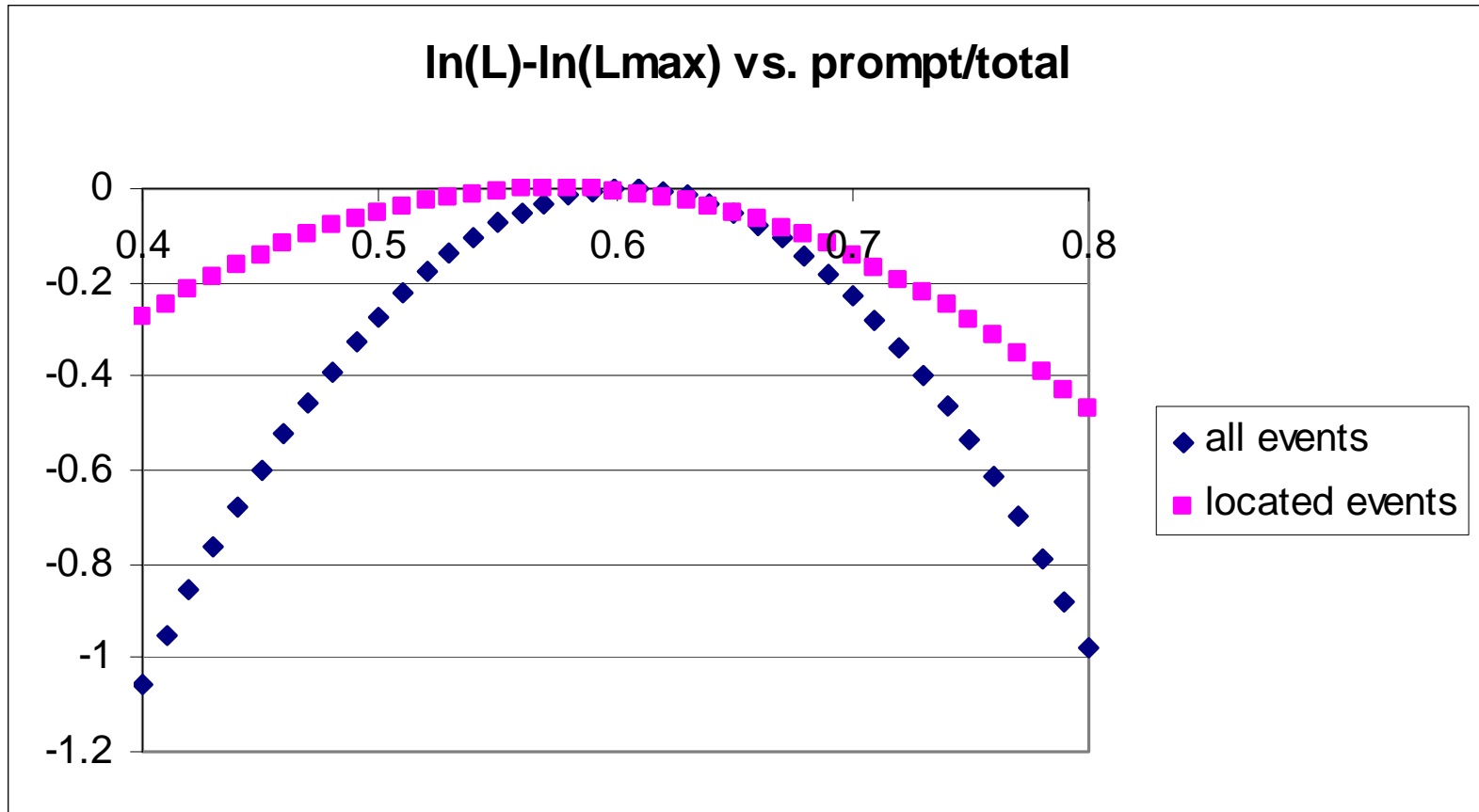
# Problems with 4-hit events

- More than would be expected for uniform mu-ID efficiency
- Momentum dependence
- Cannot be explained with multiple scattering (actually missing hits in mu-ID)

# Located vs. not located



# Prompt/nonprompt ratio



# Summary

- Relaxing mu-ID constraint changes result significantly for unknown reasons
- Not located event sample is consistent with located (also: 27% muon events in both cases) and improves error estimate on maximum likelihood fit